

IN THE CLAIMS

1. (currently amended) A fuel delivery unit for use in a fuel tank of a motor vehicle to deliver fuel to an internal combustion engine comprising:
 - (a) a surge chamber for holding a quantity of fuel separate from the fuel in the fuel tank;
 - (b) a cover on the surge chamber;
 - ~~(b)~~(c) a motor driven fuel delivery pump positioned within the surge chamber and dependent from the surge chamber lid; and
 - ~~(e)~~(d) a fuel level sensor which includes a pipe depending from the cover of the surge chamber into the surge chamber, the fuel level sensor being positioned within the surge chamber a preselected distance from the delivery pump to detect the level of fuel therein and to supply a fuel level response signal to control operation of the fuel delivery pump motor.
2. (previously presented) The fuel delivery unit as defined in claim 1, wherein the level sensor includes a reed switch.
3. (previously presented) The fuel delivery unit as defined in claim 1, wherein the fuel level sensor comprises a pipe extending over a subregion of the height of the surge chamber.
4. (canceled)
5. (previously presented) The fuel delivery unit as defined in claim 3, wherein the level sensor comprises a float that is guided by the pipe.
6. (previously presented) The fuel delivery unit as defined in claim 5, wherein the reed switch and the float of the level sensor are positioned in the pipe.
7. (previously presented) The fuel delivery unit as defined in claim 3, wherein the pipe of the level sensor has a constricting opening connecting the interior of the pipe with the fluid in the surge chamber.
8. (canceled)

9. (previously presented) The fuel delivery unit as defined in claim 2, wherein the level sensor reed switch is connected directly to the delivery pump.